



Radiocommunication Bureau (BR)

Administrative Circular
CACE/713

10 February 2015

To Administrations of Member States of the ITU, Radiocommunication Sector Members and ITU-R Associates participating in the work of Radiocommunication Study Group 5

Subject: Radiocommunication Study Group 5 (Terrestrial services)

- **Adoption of 2 new ITU-R Recommendations, 10 revised ITU-R Recommendations and 1 new ITU-R Question and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-6 (Procedure for the simultaneous adoption and approval by correspondence)**
- **Suppression of 1 ITU-R Question**

By Administrative Circular CACE/700 dated 2 December 2014, 2 draft new ITU-R Recommendations, 10 draft revised ITU-R Recommendations and 1 draft new ITU-R Question were submitted for simultaneous adoption and approval by correspondence (PSAA), following the procedure of Resolution ITU-R 1-6 (§ 10.3). In addition, the Study Group proposed the suppression of 1 ITU-R Question.

The conditions governing this procedure were met on 2 February 2015.

The approved Recommendations will be published by the ITU and Annex 1 to this Circular provides their titles with the assigned numbers. Annex 2 provides the text of the approved Question and Annex 3 provides the suppressed Question.

François Rancy
Director

Annexes: 3

Distribution:

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups and the Special Committee on Regulatory/Procedural Matters
- Chairman and Vice-Chairmen of the Conference Preparatory Meeting
- Members of the Radio Regulations Board
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

Annex 1

Titles of the approved ITU-R Recommendations

Recommendation ITU-R M.2068-0

Doc. 5/148(Rev.1)

Characteristics of and protection criteria for systems operating in the mobile service in the frequency range 14.5-15.35 GHz

Recommendation ITU-R M.2067-0

Doc. 5/184(Rev.1)

Technical characteristics and protection criteria for Wireless Avionics Intra-Communication systems

Recommendation ITU-R M.1457-12

Doc. 5/134(Rev.1)

Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2000 (IMT-2000)

Recommendation ITU-R M.1824-1

Doc. 5/150(Rev.1)

System characteristics of television outside broadcast, electronic news gathering and electronic field production in the mobile service for use in sharing studies

Recommendation ITU-R M.1076-1

Doc. 5/151(Rev.1)

Wireless communication systems for persons with impaired hearing

Recommendation ITU-R M.1464-2

Doc. 5/152(Rev.1)

Characteristics of non-meteorological radiolocation radars, and characteristics and protection criteria for sharing studies for aeronautical radionavigation and radars in the radiodetermination service operating in the frequency band 2 700-2 900 MHz

Recommendation ITU-R M.1465-2

Doc. 5/153(Rev.1)

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency range 3 100-3 700 MHz

Recommendation ITU-R M.1463-3

Doc. 5/160(Rev.1)

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency band 1 215-1 400 MHz

Recommendation ITU-R M.1460-2

Doc. 5/161(Rev.1)

Technical and operational characteristics and protection criteria of radiodetermination radars in the frequency band 2 900-3 100 MHz

Recommendation ITU-R F.1778-1

Doc. 5/166(Rev.1)

Channel access requirements for HF adaptive systems in the fixed and land mobile services

Recommendation ITU-R M.2009-1

Doc. 5/177(Rev.1)

Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (Rev.WRC-12)

Recommendation ITU-R M.2015-1

Doc. 5/179(Rev.1)

Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (Rev.WRC-12)

Annex 2

QUESTION ITU-R 255/5

Performance and availability objectives and requirements for fixed wireless systems, including packet-based systems

(2015)

The ITU Radiocommunication Assembly,

considering

- a) that nowadays as the demand for bandwidth need is increasing significantly, the fixed wireless systems (FWS) technology has also evolved from supporting low capacity to high capacity which can provide much higher speed data transmission;
- b) that regarding the capacity evolution, the FWS technology has evolved over the years both in terms of the technology and applications;
- c) that this evolution in FWS technology is also leading towards consistent evolution in network performance, availability, architectures, capacity and bandwidth requirements;
- d) that packet-based applications constitute major part of existing transport and access networks, and are expected to be strongly increased in near future;
- e) that there is a need to understand the performance, availability objectives and requirements for the physical data layer of those evolving FWS, including packet-based systems;
- f) that there is a need to provide guidance which would assist administrations, manufacturers and telecom operators in setting up and maintenance of networks,

noting

that Recommendations ITU-R F.1668 and ITU-R F.1703 specify the objectives of error performance and availability for real fixed wireless links used in 27 500 km hypothetical reference path and connections, based on Recommendations ITU-T G.826 and ITU-T G.827, respectively,

decides that the following Question should be studied

What are the key items related to the performance and availability objectives and requirements of physical data layer of FWS, including packed-based systems, taking into account:

- existing ITU-T media-independent specifications on architecture and interfaces;
- existing ITU-T specific Recommendations on error performance and availability objectives;
- existing ITU-R specific Recommendations on link planning and propagation;
- existing publications from other organizations that would need to liaise with in doing this work,

further decides

- 1 that eventual problems identified in analyses should be liaised with ITU-T and/or other Fora for guidance and alignment;
- 2 that the results of the above studies should be included in new and/or revised ITU-R Reports/Recommendations as appropriate;
- 3 that initial results of the above studies should be completed by 2019.

Category: S2

Annex 3

Suppressed ITU-R Question

Question ITU-R	Title
230-3/5	Software-defined radios
